

A
PROJECT REPORT
ON
“Bakery Management System”

Submitted By:

Mr. Jitendra Jadhav.

Mr. Dinesh Mahajan.

Third Year In Bachelore Of Computer Science

Submitted To:

Savitribai Phule Pune University

For Complete Fulfilment

Of

Bsc(Computer.Science)

K.S.K.W Arts,Commerce & Science College,Cidco

Nashik.

Guided By:- Miss.Varsha Shirore.



K.S.K.W Arts,Commerce & Science College,Cidco Nashik-8

Department of computer Science

Academic Year 2020-2021

Certificate

This is to certify that The Project Title “**Bakery Management System**” has been successful completed by: **Jitendra Jadhav & Dinesh Mahajan** in complete fulfillment there requirement of Third Year Bsc(Comp.Sci) to savitribai Phule Pune University for the academic year 2020-2021.

Project Guide

Head Of Dept

Internal Examiner

External Examiner

Acknowledgement

it is indeed with a great pleasure and immense sense of gratitude that we acknowledge the help of these individuals.

We feel related in manifesting our sense of gratitude to our internal project guide Miss.Varsha Shirore , Department of computer science. She has been a constant source of inspiration for us and we are very deeply thankful to her for her support and valuable advice.

We extremely grateful to our departmental staff members, lab technician and non-teaching staff members for their extrem help throughout our project.

Finally we expressed our heartfelt thanks to all of our friends who helped us in succesfull completion of this project.

Submitted by

Jitendra Jadhav

Dinesh Mahajan

INDEX

Sr.No	Title
1.	Introduction
2.	Problem Definition.
3.	Need of System
4.	Feasibility study.
5.	H/w and s/w requirement
6.	Fact Finding Technique
7.	UML Diagrams.
8.	I/O Screen.
9.	Data Dictionary.
10.	Conclusion
11.	Bibliography

INTRODUCTION

a.Organization

b. Existing System

c. Objective of Proposed System

a.Organization

Bakery Management System is totally computer based software application to maintain day to day transactions in a bakery. This software helps to store all bakery items with category and sub-category. It also maintains record of purchase and sales. It maintains details of Supplier. This application generates reports of purchase, sales and stock. The system reflects standard structure so that any inventory management system can implements this system easily in their existing system. The system works to reduce the human efforts. Due to totally computerized occurrence of error is less & works smoothly. It is user friendly system.

b. INTRODUCTION TO EXISTING SYSTEM - Manual System:

Manual System is tedious and has lot of paperwork. It is not much accurate and ambiguity exists in the manual system. No. of registers have to be maintained. Calculations should be done manually. Stock has to be checked often.

C.OBJECTIVE OF PROPOSED SYSTEM -

The main objective of the project is to design and develop a user friendly system.

- Easy to use and an efficient computerized system.
- To develop an accurate and flexible system, it will eliminate data redundancy.
- Computerization can be helpful as a means of saving time and money.
- To provide better Graphical User Interface (GUI).
- Less chances of information leakage.
- Provides Security to the data by using login and password method.

Problem Definition

EXISTING SYSTEM:

The Bakery Management System is working manually. The current system is very time consuming and costly, because it involves a lot of paper work. To manually handle such a system is a very difficult task. But nowadays because of computerization this job is becoming easier. Following are the reasons why the current system should be computerized.

- ▶ To increase efficiency with reduced cost.
- ▶ To reduce the burden of paper work.

To save the time of recording details of every work undertaken by Bakery.

To check that the request for particular product is available. To generate reports easily.

LIMITATION OF EXISTING SYSTEM:

- ▶ Time consumption: As the records are to be manually maintained it consumes a lot of time.
- ▶ Paper Work: A lot of paper work is involved as the records are maintained in the files and registers.
- ▶ Storage Requirements: As files and registers are used the storage space requirement is increased.
- ▶ Less Reliable: Use of papers for storing valuable data information is not at all reliable.
- ▶ Accuracy: As the system is in manual there are a lot of chances of human errors. These cause errors in calculating mechanism or maintaining product and supplier data in registers.

Need Of System

The first advantage of the proposed system is that its front end provides easy and precise information to the user to interact with the system and hence it is faster to complete the work.

The next advantage of the present system is that its faster capability to interact with the database. Even the database also provides its inbuilt features to maintain the records. It

also provides the security to the records from the system itself and also from the database itself. Hence it prevents the database conjunction.

Another advantage of the proposed system is its fast search the records from the database. The proposed system provides both with the mouse or keyboard handling features to interact with the system.

Feasibility Study :

i. Technical ii. Behavioral /
Operational iii. Economical

Technical Feasibility :

The system must be evaluated from the technical point of view first. The assessment of this feasibility must be base on outline design of system requirements in this term input, output and program procedure are concern. The project should be developing such that the necessary function and performance are achieved within the constraints. The project developed within latest technology available.

Operational Feasibility :

It is measure of hoe well a proposed system solved problems and taken advantage of the opportunity identified during bakery management system. How it satisfies the requirement and analysis of system development by checking system work cyclically such as purchase. It also prefers to the measure of solving problems with the help of new proposed system. It help if advantage to fulfill the requirement.

Economical Feasibility:

The proposed system must be justifying be const and benefits criteria to ensure that effort is concentrated project which will give best return earliest. since the system is developing as part of project work there is no mutual cost to spend for proposed system also all resources bare already available. It gives a conduct of system is economically possible for development.

Hardware and Software Requirement

Hardware Requirements-

- Processor :- i3 Core
- Hard Disk :- 500 GB Memory:- 4GB RAM

Software Requirement-

- Windows 7 and Above
- XAMPP SERVER
- PHP, HTML, Bootstrap (Front End)
- MYSQL (Bank End)

Fact Finding Technique

At the time of the analysis of the system or before starting actual work of system the system analyst has to collect information about the manual system from the user department for which the system is going to be developed. In order to collect this information, system analyst prefers anyone of the following fact finding technique or prefers two or more fact finding techniques according to situation: -

1. Interview.
2. Record Review.

3. Observation.

While developing the system following techniques were used.

1)Interviewing : -

System investigation has been done, by taking interview of the concerned person, higher officials & users. By asking them about manual process, problems regarding system, their requirements, any their valuable suggestions and guidance regarding the system.

After taking their interviews regarding the system and studying points crucial for system, and for any further need, interviews were taken again & the points were discussed & covered which previously were not understood. This interview technique proved beneficial regarding preliminary investigation but requires much time than the other techniques.

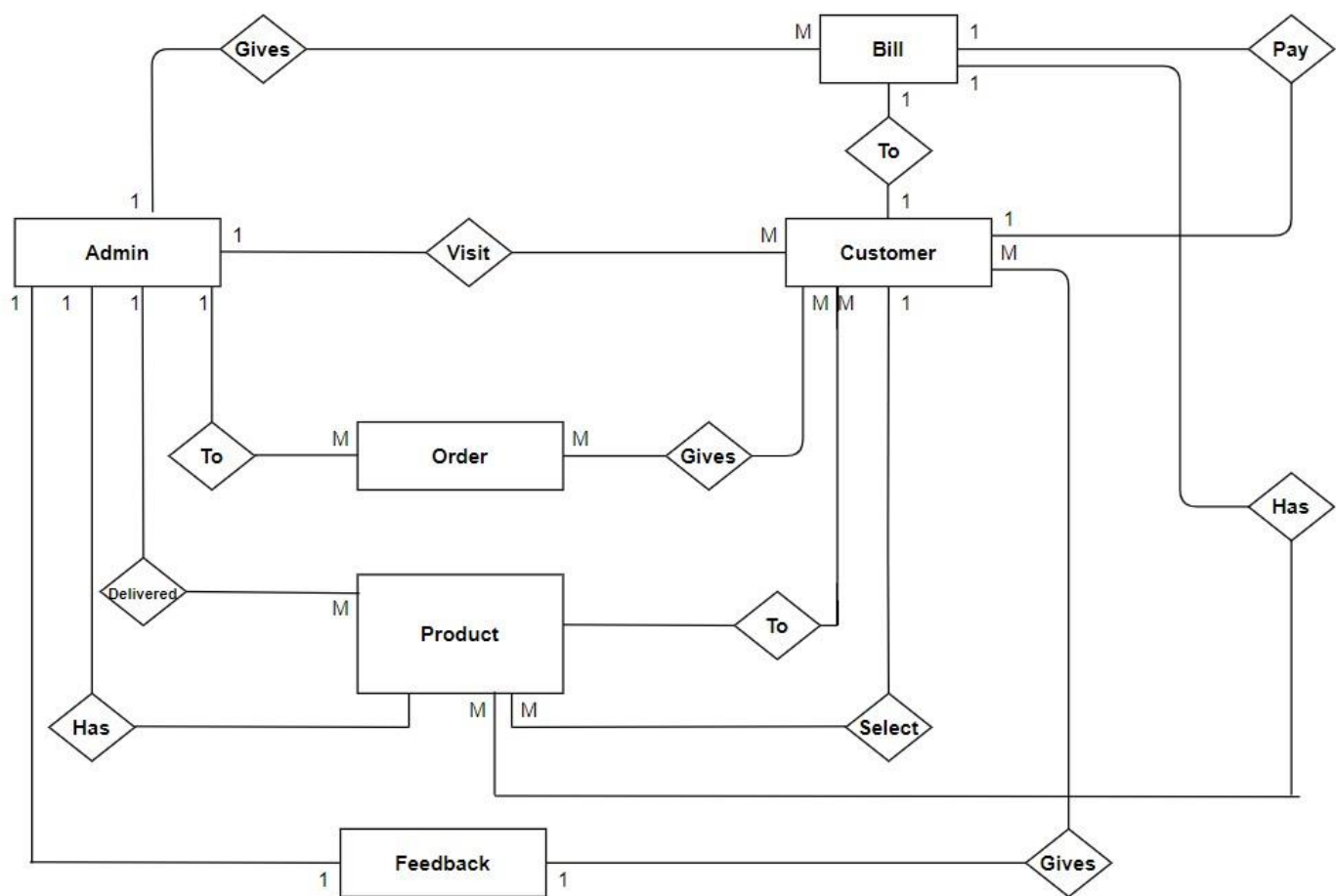
2)Record Review: -

This technique proves in finding facts of system and points must be covered while designing the current system. Observing documents, register and files, which are prepared manually by the department, carries out the technique of record review. It helps the design of inputs and output required for the system, the database, screen –designing etc. Thus, this technique proves very helpful for analyzing about the system.

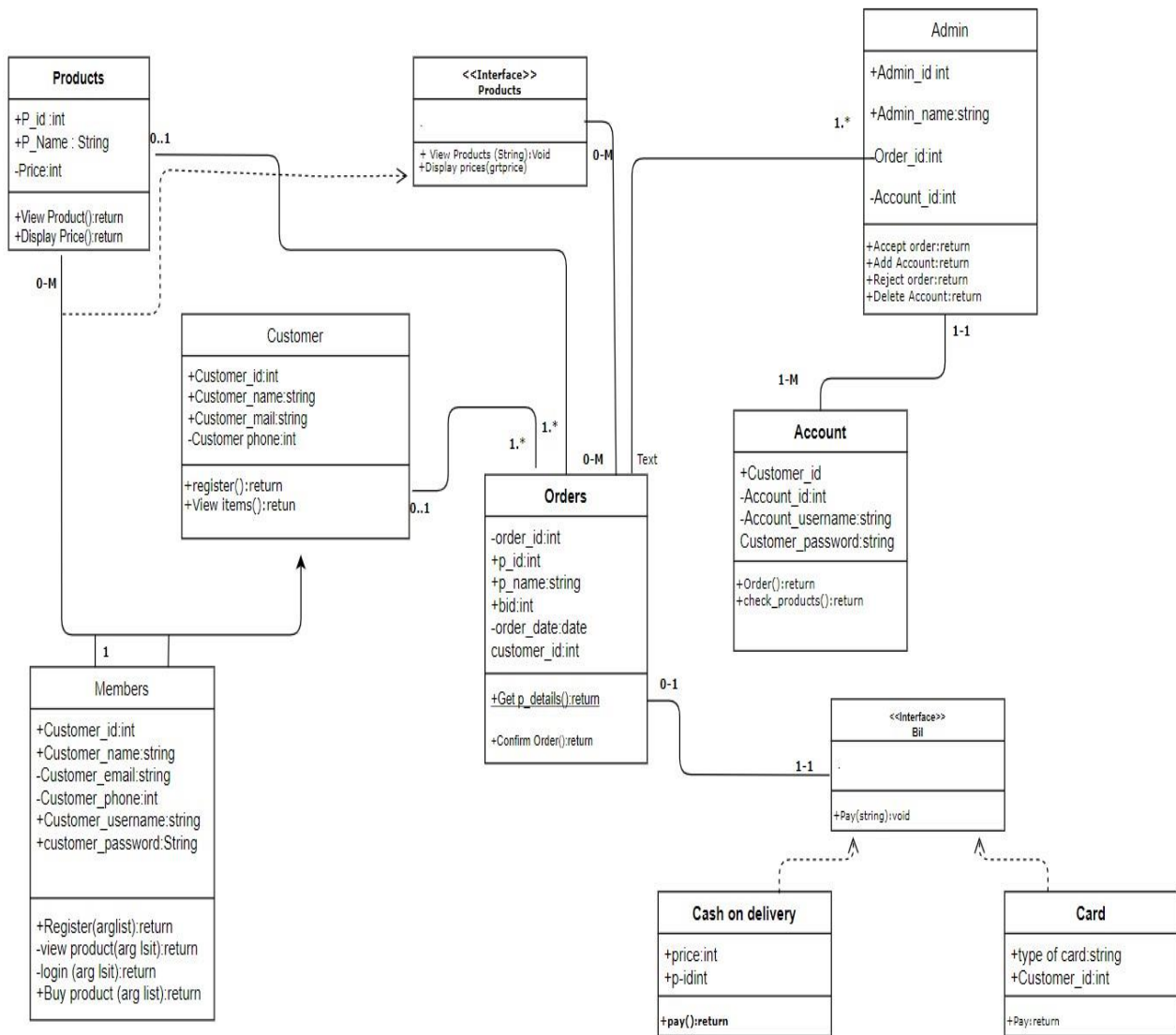
3)Observation: -

Observation allows analyst to gain information, they cannot obtain by any other technique through it analyst can obtain first hand observation about how activities are carried out.

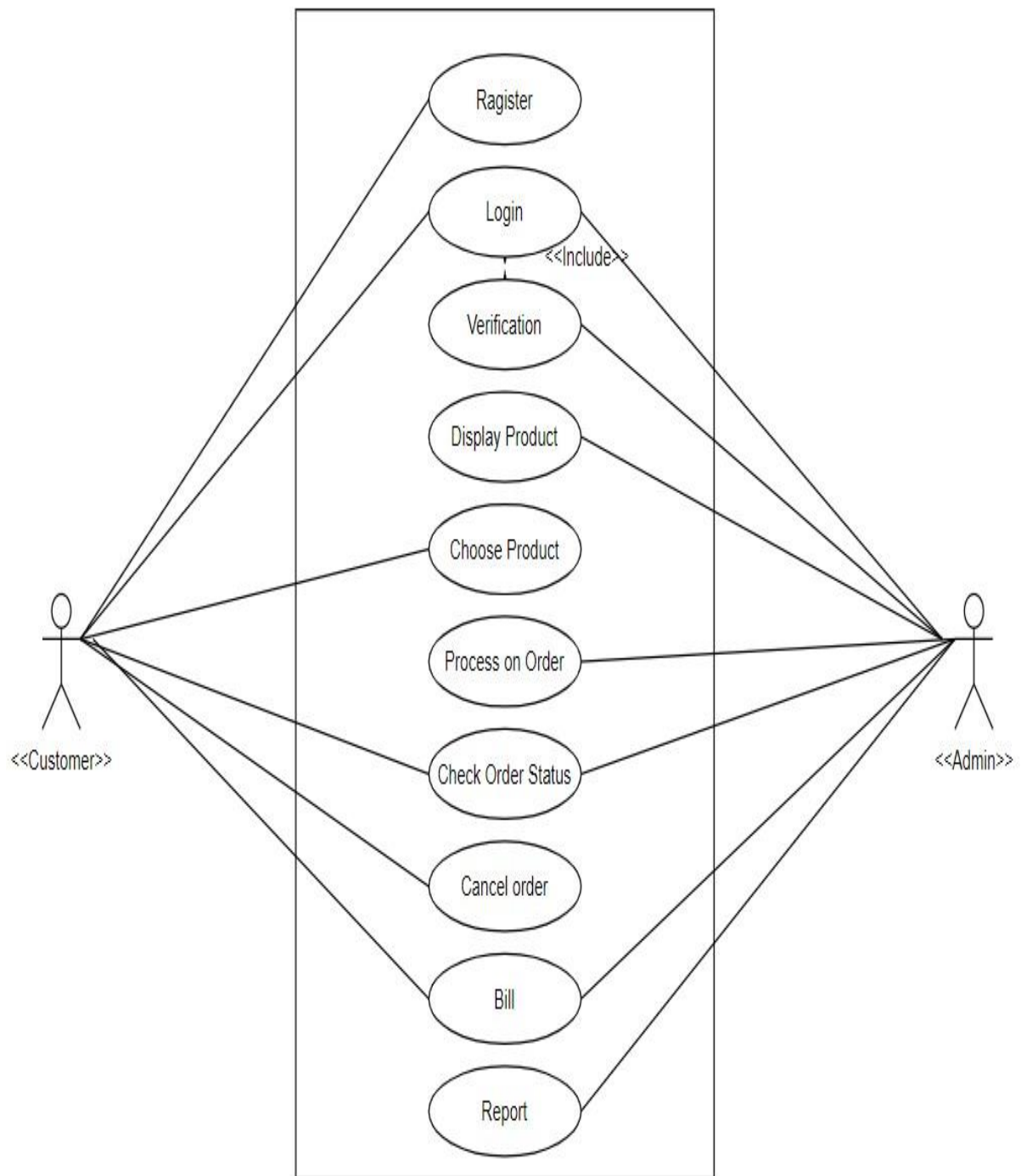
ER-Diagram



Class Diagram:-

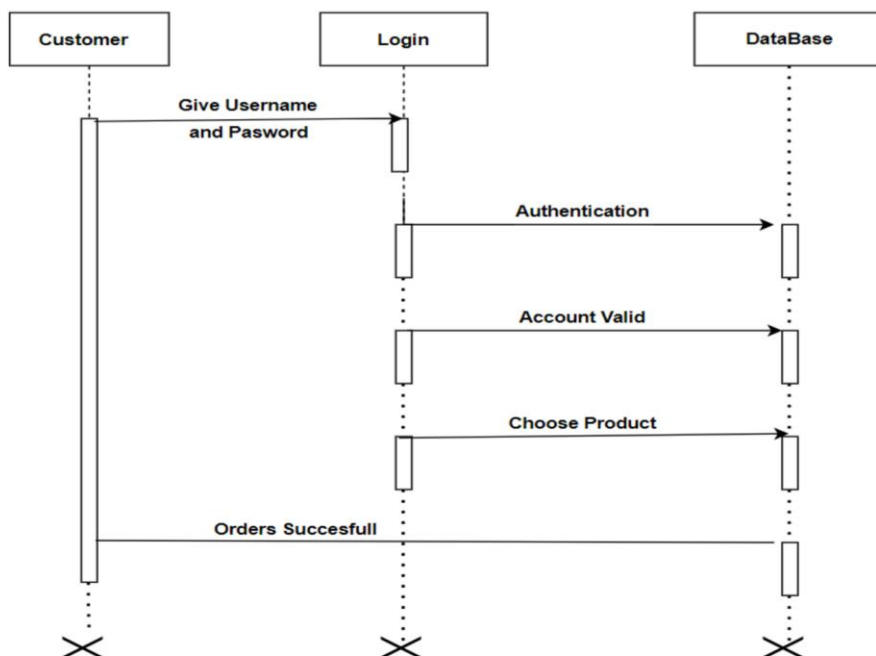
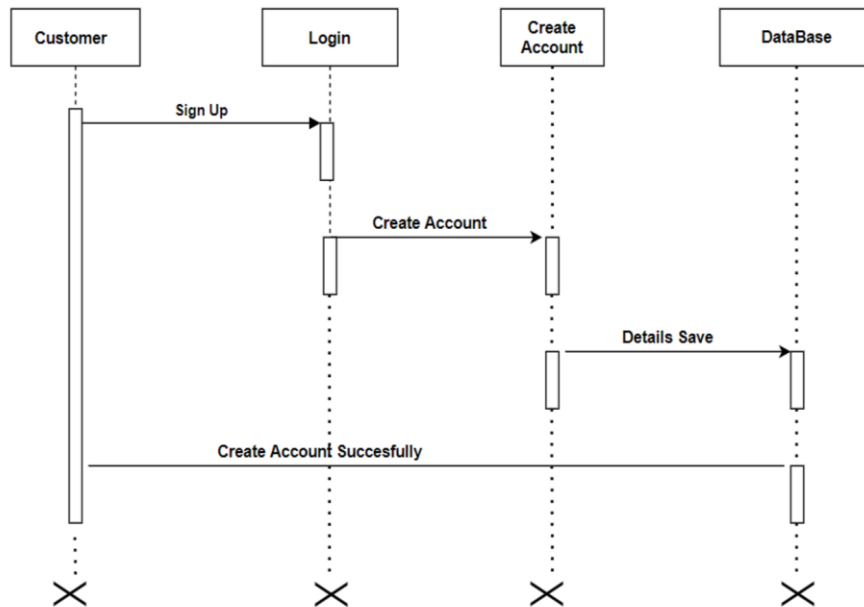


Use Case:-

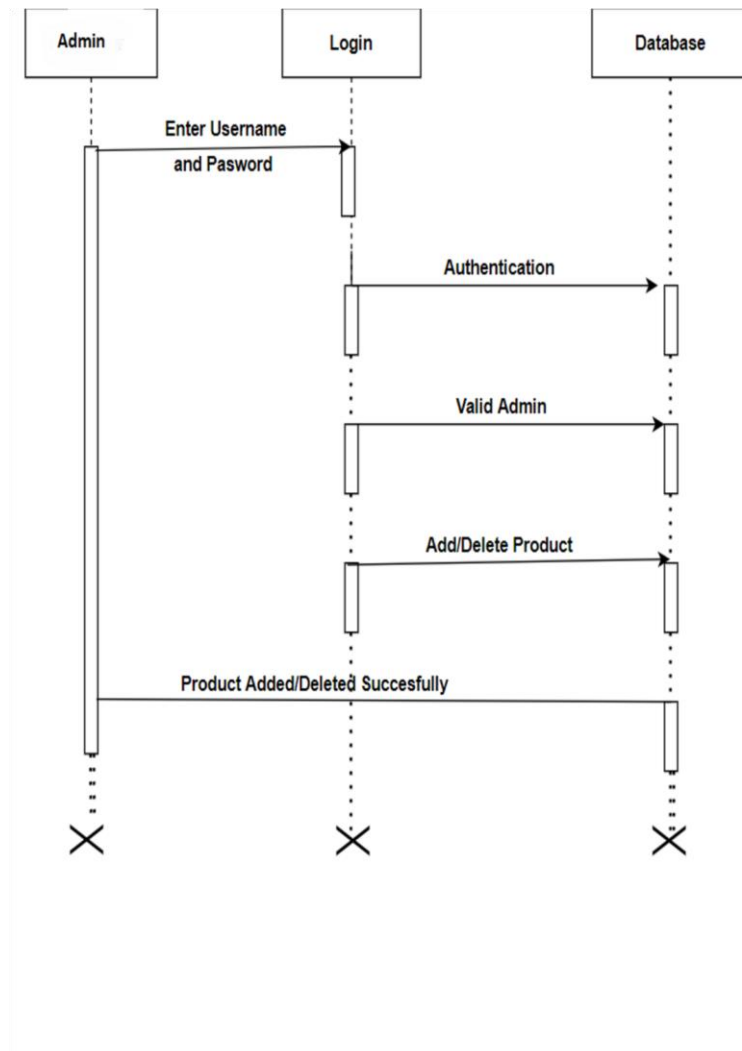


Sequence Diagram:-

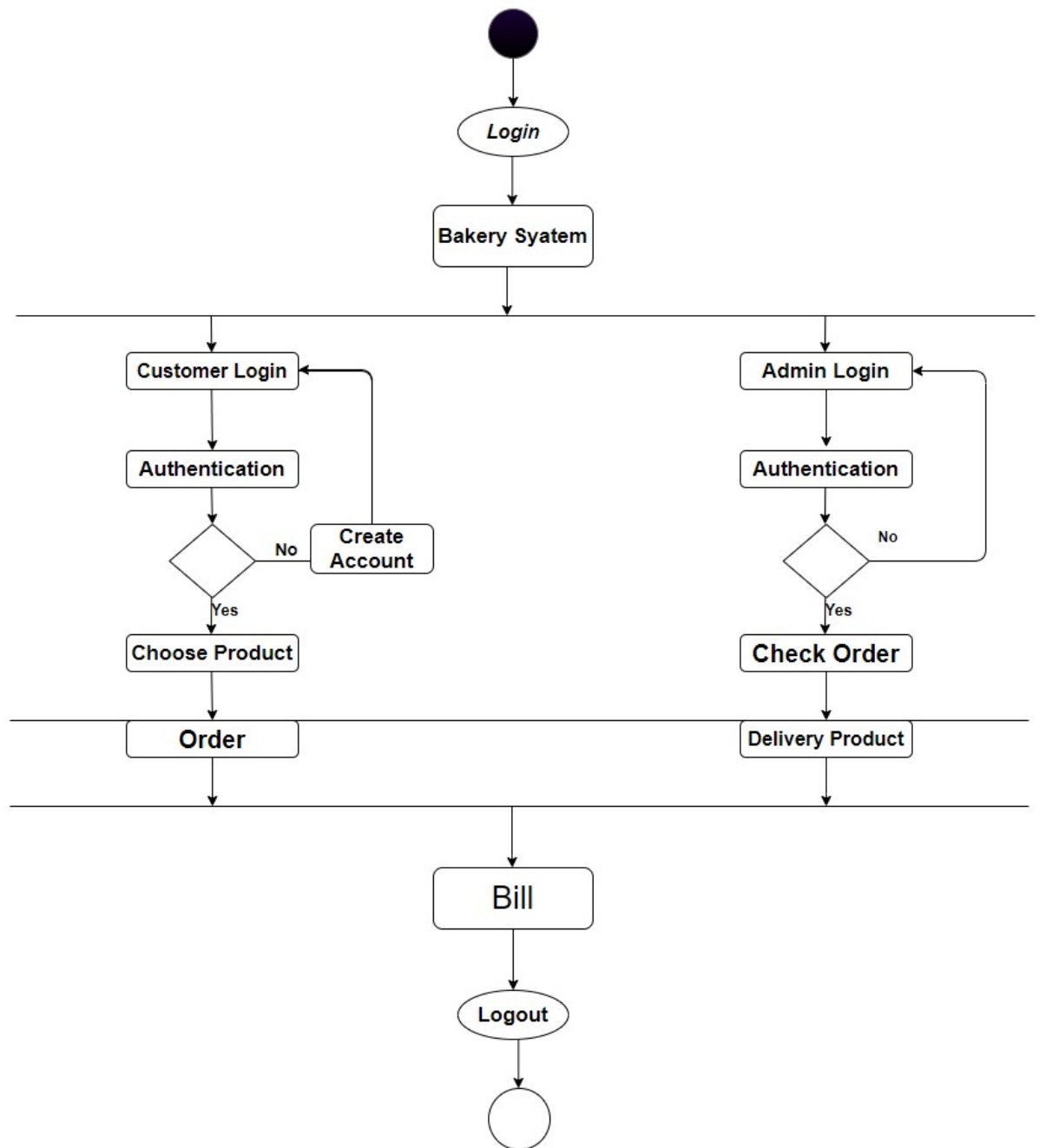
A]Customer-



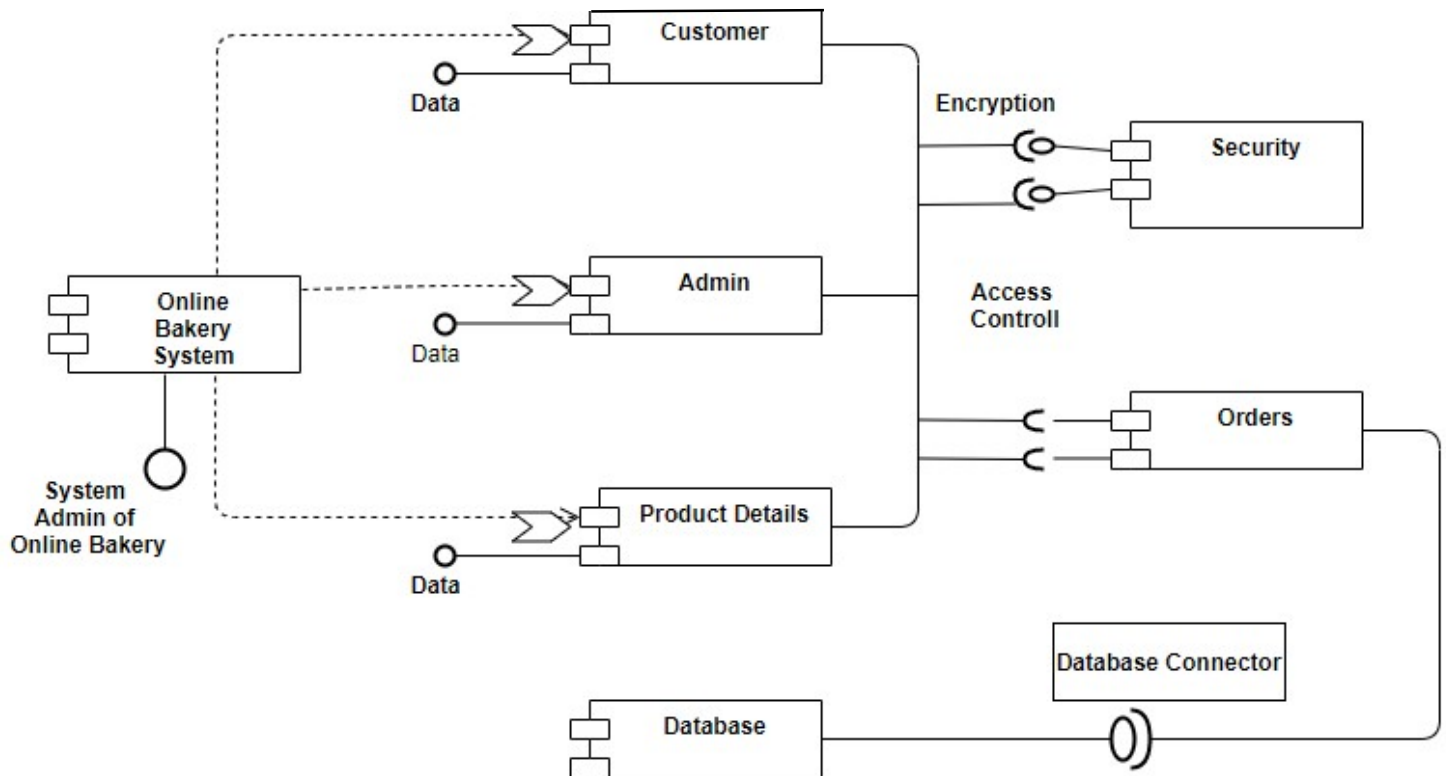
B]Admin-



Activity Diagram-



Component Diagram:-



Data Dictionary:-

Admin-

Field name	Data Type	Description
admin_id	int	Primary key
email	Varchar(20)	Not Null
password	Varchar(20)	Not Null

Customer-

Field Name	Data type	Description
C_id	int	Primary key
c_name	Varchar(20)	Not Null
email	Varchar(20)	Not Null
password	Varchar(20)	Not Null
re-password	Varchar(20)	Not Null
add	Text	Not Null

Product-

Field Name	Data Type	Description
P_id	int	Primary key
P_img	text	Not Null
P_name	varchar(20)	Not Null
P_price	int	Not Null
P_description	Varchar(20)	Not Null

Bill-

Field Name	Data Type	Description
B_id	int	<u>Primary key</u>
P_id	int	Foreign key
C_id	int	Foreign key
P_name	Varchar(20)	Not Null
C_name	Varchar(20)	Not Null

Payment_type	Varchar(20)	Not Null
Total_amount	int	Not Null

Order-

Field Name	Data Type	Description
O_id	int	Primary key
P_id	Int	Foreign key
C_id	int	Foreign key
P_name	Varchar(20)	Not Null
C_name	Varchar(20)	Not Null
price	Int	Not Null

Feedback-

Field Name	Data Type	Description
c_name	Varchar(20)	Not Null
email	Varchar(20)	Not Null
C_number	Double int	Not Null
city	Varchar(20)	Not Null

CONCLUSION: -

- The present is manual processes are time consuming and prone to error.
- Manual entries cause errors while registering the data.
- The computerized system arranges all sequentially which ensures quick retrival of required entries whenever necessary.
- It is less time consuming and more accurate.
- This is our sincere efforts to make this software standup to both customer as well as owner.

Bibliography

- 1) <http://www.google.com>
- 2) <https://www.w3schools.com>
- 3) <https://www.tutorialspoint.com/>
- 4) <http://www.wikipedia.com>